### APPENDIX B

COMMUNITIES PARTICIPATING IN THE STUDY AND THEIR DISTRIBUTION BY SIZE AND GEOGRAPHICAL LOCATION

Table B-1. Geographical distribution of communities

Region	States	Number
1	Conn., Maine, Mass., N. H., R. I., Vt.	2
2	N. J., N. Y.	16
3	Del., Md., Pa., Va., W. Va.	18
4	Ala., Fla., Ga., Ky., Miss., N. C., S. C., Tenn.	20
5	Ill., Ind., Mich., Minn., Ohio, Wis.	23
6	Ark., La., N. M., Okla., Tex.	24
7	Iowa, Kans., Mo., Nebr.	10
8	Colo., Mont., N. Dak., S. Dak., Utah, Wyo.	2
9	Ariz., Calif., Hawaii, Nev.	12
10	Alaska, Idaho, Oreg., Wash.	9

Table B-2. List of communities with completed questionnaire

City	State	Unit	1980 Population
Mobile	Ala.	County	364,000
Columbia	Ark.	County	26,644
Jacksonville	Ark.	City	27,600
Maricopa	Ariz.	County	1,508,000
Anaheim	Calif.	City	221,800
Bakersfield	Calif.	City	105,600
Brisbane	Calif.	City	3,000
El Segundo	Calif.	City	13,800
Humboldt	Calif.	County	1,080,000
Oakland	Calif.	City	339,300
Orange	Calif.	County	1,931,500
Riverside	Calif.	County	663,900
San Jose	Calif.	City	636,600
South Gate	Calif.	City	66,800
Yolo	Calif.	County	113,400
New Castle	Del.	County	399,000
Gulf	Fla.	County	10,700
Santa Rosa	Fla.	County	56,000
Tampa	Fla.	City	271,500
Brunswick	Ga.	City	17,600
Dalton	Ga.	City	20,700
Fulton	Ga.	County	590,000
Richmond	Ga.	County	181,600
Smyrna	Ga.	City	20,300
Benton	Iowa	County	23,600
Clinton	Iowa	County	57,100
Des Moines	Iowa	County	46,200
Story	Iowa	County	72,300
Woodbury	Iowa	County	100,884
Bannock	Idaho	County	65,400
Madison	III.	County	247,700
Marshall	III.	County	14,500
North Chicago	III.	City	38,800
Will ~	I11.	County	324,500
Delaware	Ind.	County	128,600
Posey	Ind.	County	25,400
Johnson	Kans.	County	270,300
Sedgwick	Kans.	County	366,500
Wyandotte	Kans.	County	172,300
Ballard	Ky.	County	8,800
Hardin	Ky.	County	88,900
Marshall	Ky.	County	25,600
McCracken	Κy.	County	61,300
Ascension	La.	County	50,100
Baton Rouge	La.	City	219,500
Convent	La.	<del>- ,</del>	217,000

Table B-2. Continued

City	State	Unit	1980 Population
St. Charles Parish	La.	County	37,500
Danvers	Mass.	City	26,200
Baltimore	Md.	City	786,700
Bay	Mich.	County	119,900
Benton Harbor	Mich.	City	14,700
Grand Haven	Mich.	City	11,800
<b>Kalamazoo</b>	Mich.	County	212,400
Manistee	Mich.	County	23,000
Marquette	Mich.	County	74,100
Marysville	Mich.	City	7,300
Oakland	Mich.	County	1,011,800
Rosemount	Minn.	City	5,100
Duson	Mo.	City	• • • • • • • • • • • • • • • • • • • •
Jackson	Miss.	County	118,000
Warren	Miss.	County	51,600
Yellowstone	Mont.	County	108,000
Pitt	N.C.	County	83,700
Beatrice	Nebr.	City	12,900
Elizabeth	N.J.	City	106,200
Gibbstown	N.J.	City	5,700
Little Falls	N.J.	City	11,700
Mt. Holly	N.J.	City	10,800
Salem	N.J.	County	64,700
Somerset	N.J.	County	203,100
Union	N.J.	County	504,100
Wayne	N.J.		49,100
West Caldwell	N.J.	City	
Henderson	Nev.	City	11,407
Chautauqua	NEV. N.Y.	City	24,400
Delaware	N.T. N.Y.	County	146,900
		County	46,900
Lewis	N.Y.	County	25,000
Newburgh	N.Y.	City	23,400
Rensselaer	N.Y.	County	152,000
Utica Vatavlas	N.Y.	City	75,600
Waterloo	N.Y.	City	5,300
Allen Enderstald	Ohio	County	112,200
Fairfield	Ohio	County	93,700
Hamilton Cala	Ohio	County	873,100
Solon	Ohio	City	14,300
Stark Tolon	Ohio	County	378,800
Toledo	Ohio	City	354,600
Enid	Okla.	City	50,400
Muskogee	Okla.	City	40,000
Osage	Okla.	County	39,300
Rogers	Okla.	County	46,400
Woodward	Okla.	County	21,200

Table B-2. Continued

City	State	Unit	1980 Population
Portland	Oreg.	City	366,400
Berks	Pa.	County	312,500
Blair	Pa.	County	136,600
Bucks	Pa.	County	479,200
Carbon	Pa.	County	53,285
Philadelphia	Pa.	City	1,688,200
Somerset	Pa.	County	81,200
Providence	R.I.	City	156,800
Kershaw	S.C.	County	39,000
York	S.C.	County	106,700
Baytown	Tenn.	City	,
Sharon	Tenn.	City	1,100
Sullivan	Tenn.	County	144,000
Beaumont	Tex.	City	118,100
Brazoria	Tex.	County	169,600
Calhoun	Tex.	County	19,600
Dallas	Tex.	City	904,000
Dimmitt	Tex.	City	11,400
Dumas	Tex.	City	12,200
Ector	Tex.	County	115,400
Houston	Tex.	City	1,594,100
Hutchinson	Tex.	County	26,300
Orange	Tex.	County	83,800
Pasadena	Tex.	City	112,600
Port Arthur	Tex.	City	61,200
Texas City	Tex.	City	41,400
Hopewell	Va.	City	23,400
Portsmouth	۷a.	City	104,600
York	۷a.	County	35,500
Camas	Wash.	City	5,700
Cowlitz	Wash.	County	79,600
Skagit	Wash.	County	64,200
Snohomish	Wash.	County	337,000
Spokane	Wash.	City	341,800
Walla Walla	Wash.	County	47,500
Whatcom	Wash.	County	106,700
Brown	Wis.	_	
Madison	Wis.	County City	175,300
nadison Oneida	wis. Wis.		170,600
Marinette	Wis.	County	31,200
Marinecte Kanawha		City	12,000
	W. Va.	County	231,400
Marshall Butnam	₩. Va.	County	41,600
Putnam	W. Va.	County	38,200
Laramie	Wyo.	County	68,600

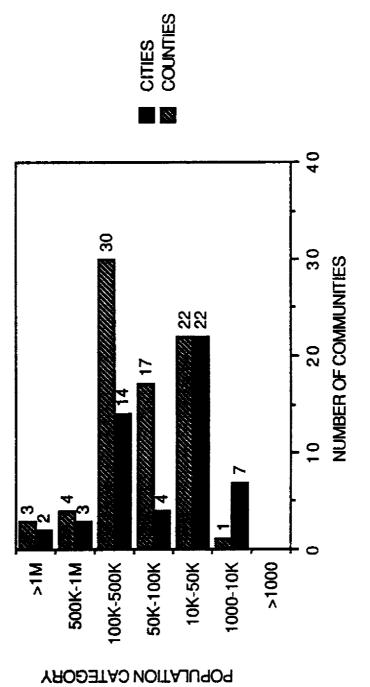


Fig. 8-1. Distribution of sample communities.

## APPENDIX C

DATA FROM THE FACILITY QUESTIONNAIRES ON PUBLIC ALERT AND NOTIFICATION

(N = 134)

Table C-1. Primary communications equipment used to notify the community of a chemical accident

Communication method	Facility response (%)
Commercial telephone	43.3
Two-way radio	9.0
Dedicaated telephone	9.7
Dedicated radio	6.0
Pager	0.
Sirens	3.7
In person	3.0
PA/loudspeakers	0.
Alarm system	3.7
911	13.4

### Clarity of Interaction

- C-1. Identification of designated official responsibility for receiving an alert from the chemical facility. (%)
  - 1.5 Identified name and position
  - 9.0 Identified position and organization
  - 5.2 Identified position only
  - 60.4 Identified organization only
  - 23.8 Did not identify
- C-2. Identification of designated official responsibility for sending an alert from the chemical facility. (%)
  - 93.3 Identified by title
  - 6.7 Not identified
- C-3. Identification of designated backup official responsible for sending an alert from the chemical facility. (%)
  - 50 Identified by title
  - 50 Not identified
- C-4. Identification of off-hour alert responsibility. (%)
  - 48.5 Same
  - 3.7 Different, not specified
  - 35.8 Different, specified
  - 12.0 No response

C-5. How has your facility's emergency organization coordinated with each of the following agencies/organizations in the past several years? (%)

Circle letter of those that exist in	No coordin- ation at all your area	Initial/ introduc- tory con- tact	Developed emergency response plans only	Ongoing coordinated emergency effort with	Partici- in emer- gency exercises with
Local fire	0	14.9	9.0	25.4	44.8
Other internal facility org.	11.2	3.0	4.5	20.9	34.4
Local/county police	5.2	23.1	11.2	20.5	30.6
Local civil defense	10.4	16.4	7.5	22.4	33.6
State police	32.8	17.2	3.0	12.7	20.9
Industry mutual aid association	20.9	8.2	6.7	16.4	27.6
Hospital emer- gency rooms	11.5	23.9	13.4	17.9	23.1
State emergency	20.5	29.9	9.0	9.0	11.2
State EPA	11.7	26.9	13.4	28.7	8.2

# Number of exercises within past 2 years:

Group	Mean number of exercises
Local fire	2.0
Other internal facility organization	6.2
Local/county police	1.2
Local civil defense	2.3
State police	0.9
Industry mutual aid association	2.5
Hospital emergency rooms	0.8
State emergency	0.5
State EPA	0.4

Table C-2. Clarity of emergency procedures

Type procedure		Status (%)	
	None	Vague	Clear/SOP
Decision making	8.2	56.0	33.6
Communication	9.7	53.0	33.6

- C-6. Overall assessment of the capability to provide a timely warning to the public within 5 miles of the facility in the event of a serious emergency. (%)
  - 82.1 It is highly certain that an effective warning would be made
  - 12.7 It is somewhat certain that an effective warning would be made
  - 0.7 It is somewhat uncertain that an effective warning would be made
  - O It is highly uncertain that an effective warning would be made
  - 4.5 Missing
- C-7. Weakest link in the sequence of tasks that are involved in getting a timely and effective warning to the public around the chemical facility. (%)
  - 35.1 Problems in disseminating alert and notification to the public
  - 20.1 No weak links
  - 14.2 Size of population or area at risk
  - 6.7 Communication problems between the facility and the community
  - 3.7 Communication problems within facility
  - 3.7 Lack of planning
  - 1.5 Feasibility of public protection
  - 3.0 Cooperation from the community
  - 0.7 Lack of training
  - 4.5 Communication problems within the community
  - 0.7 Monitoring detection
  - 0.7 Problems in warning special populations
  - 13.4 Other

# APPENDIX D

WARNING SYSTEMS REFERENCES AND BIBLIOGRAPHY

#### WARNING SYSTEM REFERENCES AND BIBLIOGRAPHY

- Albert, M. B. and L. Segaloff (1962), "Task Silence: the post-midnight alarm and evacuation of four communities affected by an ammonia gas release." Philadelphia: Institute for Cooperative Research, University of Pittsburgh (unpublished paper cited in Quarantelli, 1980).
- Anderson, L., J. Keaton, T. Saarinen, and W. Wells II (1984), <u>The Utah Landslides</u>, <u>Debris Flows and Floods of May and June 1983</u>. Washington, D.C.: National Academy Press.
- Anderson, W. (1970), "Tsunami warning in Crescent City, California and Hilo, Hawaii," in <u>The Great Alaska Earthquake of 1964: Human Ecology</u>, Committee on the Alaska Earthquake of the National Research Council (ed.). Washington, D.C.: National Academy of Sciences.
- Anderson, W. (1969), "Disaster warning and communication processes in two communities," The Journal of Communication 19 (June): 92-104.
- Anderson, W. (1966), "Seismic sea wave warning in Crescent City, California and Hilo, Hawaii," Working Paper No. 11. Columbus, Ohio: Disaster Research Center, Ohio State University (cited in Quarantelli, 1980).
- Anderson, W. (1965), "Crescent City revisited: a comparison of public warning procedures used in the 1964 and 1965 emergencies," Research Note No. 11. Columbus, Ohio: Disaster Research Center, Ohio State University (cited in Quarantelli, 1980).
- Anderson, W. (1964), "The Baldwin Hills, California dam disaster,"
  Research Note No. 5. Columbus, Ohio: Disaster Research Center, Ohio
  State University (cited in Quarantelli, 1980).
- Baker, E. J. (1986), "Hurricane Elena: Preparedness and response in Florida," Florida Policy Review (Winter): 17-23.
- Baker, E. J. (1984a), "Public response to hurricane probability forecasts," Report NOAA/TM NWS FCST 29. Washington, D.C.: National Weather Service.
- Baker, E. J. (1984b), "Deciding whether to evacuate a beach community during a hurricane threat," (unpublished manuscript). Tallahassee: Florida State University.
- Baker, E. J. (1980), "Coping with hurricane evacuation difficulties," pp. 13-18 in E. J. Baker (ed.), <u>Hurricanes and Coastal Storms</u>. Florida Sea Grant College Report No. 33.
- Baker, E. J. (1979), "Predicting response to hurricane warnings:
  A reanalysis of data from four studies," Mass Emergencies 4: 9-24.

- Baker, E. J. and T. M. Carter (1984), "The role of information in public response to warnings." Paper presented at the American Meteorology Society Conference (Draft).
- Baker, E. J., J. C. Brigham, J. A. Paredes, and D. D. Smith (1976), Social Impact of Hurricane Eloise on Panama City, Florida. Florida Sea Grant Report. Gainesville: University of Florida, Sea Grant Program.
- Bartlett, G. S., P. S. Houts, L. K. Byrnes, and R. W. Miller (1983), "The near disaster at Three Mile Island," <u>International Journal of Mass Emergencies and Disasters</u> 1 (March): 19-42.
- Barton, A. (1969), Communities in Disaster. Garden City, N.Y.: Doubleday.
- Bates, F. L., et al. (1963), <u>The Social and Psychological Consequences of a Natural Disaster</u>, National Research Council Disaster Study 18. Washington, D.C.: National Academy of Sciences.
- Blum, R. and B. Klass (1956), <u>A Study of Public Response to Disaster Warnings</u>. Metro Park, California: Standford Research Institute (cited in Quarantelli, 1980).
- Boek, W. and J. Boek (1956), "An exploratory study of reactions to an impending disaster." Albany, N. Y.: New York State Department of Health (paper cited in Quarantelli, 1980).
- Bolin, R. (1985), "Disaster characteristics and psychological impacts," pp. 3-28 in B. Sowder (ed.), <u>Disasters and Mental Health: Selected Contemporary Perspectives</u>. Rockville, Maryland: National Institute of Mental Health, U.S. Department of Health and Human Services.
- Bonk, W., R. Lachman, and M. Tatsuoka (1960), <u>A Report of Human Behavior</u>
  <u>During the Tsunami of May 23, 1960</u>. Hilo, Hawaii: Hawaiian Academy
  of Science.
- Brunn, S., J. Johnson, and D. Ziegler (1979), <u>Final Report on a Social Survey of Three Mile Island Residents</u>. East Lansing, Michigan: Department of Geography, Michigan State University.
- Burton, I. (1981), <u>The Mississauga Evacuation</u>, <u>Final Report</u>. Toronto: Institute for Environmental Studies, University of Toronto.
- Carter, T. M. (1983), <u>Probability of Hurricanes/Tropical Storms: A Users</u>
  <u>Guide for Local Decision-Makers</u>. Silver Spring, Maryland: National Weather Service.
- Carter, T. M., S. Kendall, and J. P. Clark (1983), "Household response to warnings," <u>International Journal of Mass Emergencies and Disasters</u> 1 (March): 95-104.
- Carter, T. M., J. P. Clark, and R. Leik (1979), "Organizational and household response to hurricane warnings in the local community," paper presented at the AAAS Meetings, Houston, Texas.

- Chemical Manufacturing Association (1987), Emergency Warning Systems. Washington, D.C.: CMA.
- Chiu, A., et al. (1983), <u>Hurricane Iwa, Hawaii, November 23, 1982</u>.
  Washington, D.C.: National Academy of Sciences.
- Christensen, L. and C. E. Ruch (1980), "The effect of social influence on response to hurricane warnings," <u>Disasters</u> 4 (2): 205-210.
- Christensen, L. and C. E. Ruch (1978), "Assessment of brochures and radio and television on hurricane awareness," <u>Mass Emergencies</u> 3: 209-216.
- Clark, J. and M. Carter (1980), "Response to hurricane warnings as a process: determinants of household behavior," pp. 19-24 in E. J. Baker (ed.), <u>Hurricanes and Coastal Storms</u>. Florida Sea Grant College Report No. 33.
- Clifford, R. A. (1956), <u>The Rio Grande Flood: A Comparative Study of Border Communities</u>, National Research Disaster Study #17.
  Washington, D.C.: National Academy of Sciences.
- Cochrane, H., E. Gruntfest, M. Stokes, H. Burgess, G. Burgess, and L. Steinback (1979), <u>Flash Flood on the Big Thompson: A Case Study</u>. Denver, Colorado: Western Governors' Policy Office for Policy Research.
- Committee on Natural Disasters (1985), <u>Hurricanes Iwa</u>, <u>Alicia and Diana</u> <u>Common Themes</u>. Washington, D.C.: National Academy Press.
- Committee on Socioeconomic Effects of Earthquake Predictions (1978),

  A Program of Studies on the Socioeconomic Effects of Earthquake

  Predictions. Washington, D.C.: National Academy of Science.
- Cutter, S. (1984), "Emergency preparedness and planning for nuclear power plant accidents," <u>Applied Geography</u> 4: 235-245.
- Cutter, S. and K. Barnes (1982), "Evacuation behavior at Three Mile Island," <u>Disasters</u> 6: 116-124.
- Danzig, E. R., P. W. Thayer, and L. R. Galanter (1958), <u>The Effects of a Threatening Rumor on a Disaster-Stricken Community</u>. Disaster Study #10. Disaster Research Group. Washington, D.C.: National Academy of Sciences.
- Davenport, S. (1978), "Human response to hurricanes in Texas: Two studies." Working Paper No. 34. Boulder, Colorado: Institute of Behavior Science, University of Colorado.
- Diggory, J. C. (1956), "Some consequences of proximity to a disease threat," <u>Sociometry</u> 19 (March): 47-53.

- Dillman, D., M. Schwalbe, and J. Short (1983), "Communication behavior and social impacts following the May, 18, 1980 eruption of Mt St. Helens," in Mt. St. Helens: Three Years Later, Proceedings of a Conference. Pullman, Washington: Washington State University.
- Drabek, T. E. (1986), <u>Human System Response to Disaster: An Inventory of Sociological Findings</u>. New York, N. Y.: Springer-Verlag.
- Drabek, T. E. (1983), "Shall we leave? A study of family reactions when disaster strikes," <u>Emergency Management Review</u> 1 (Fall): 25-29.
- Drabek, T. E. (1969), "Social processes in disaster: Family evacuation," Social Problems 16 (Winter): 336-349.
- Drabek, T. E. and K. Boggs (1968), "Families in disaster: Reactions and relatives," <u>Journal of Marriage and the Family</u> 30 (August): 443-451.
- Drabek, T. E. and J. S. Stephenson, III (1971), "When disaster strikes,"

  <u>Journal of Applied Social Psychology</u> 1 (2): 187-203.
- Drabek, T. E., H. L. Tamminga, T. S. Kilijanek, and C. R. Adams (1981),

  <u>Managing Multiorganizational Emergency Responses: Emergent Search</u>

  <u>and Rescue Networks in Natural Disasters and Remote Area Settings.</u>

  Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Dynes, R. (1970), <u>Organized Behavior in Disasters</u>. Lexington, Massachusetts: D. C. Heath.
- Dynes, R. et al. (1979), Report of the Emergency Preparedness and Response

  Task Force, Staff Report to the President's Commission on the

  Accident at Three Mile Island. Washington, D.C.: U.S. Government

  Printing Office.
- Erikson, K. T. (1976), <u>Everything in Its Path</u>. New York: Simon and Schuster.
- Fisher, D. (1981), "Planning for large-scale accidents: Learning from the Three Mile Island," <u>Energy</u> 6: 93-108.
- Fitzpatrick, J. and J. Waxman (1972), "The March, 1972 Louisville, Kentucky chlorine leak threat and evacuation." Working Paper #44. Columbus, Ohio: Disaster Research Center, Ohio State University (cited in Quarantelli, 1980).
- Flood Loss Reduction Associates (1984a), <u>Technical Guidance Manual for Local Flood Warning and Preparedness Programs</u>. New York: State Department of Environmental Conservation.
- Flood Loss Reduction Associates (1984b), <u>Prototype Local Flood Warning Plan</u>. New York: State Department of Environmental Conservation.

- Flood Loss Reduction Associates (1984c), <u>Prototype Local Flood Warning and Preparedness Program</u>. New York: State Department of Environmental Conservation.
- Flynn, C. (1979), <u>Three Mile Island Telephone Survey: A Preliminary</u>
  <u>Report</u>. Washington, D.C.: U.S. Nuclear Regulatory Commission.
- Flynn, C. (1982), "Reaction of local residents to the accident at Three Mile Island," pp. 49-63 in D. Sills and others (eds.), Accident at Three Mile Island. Boulder, Colorado: Westview Press.
- Flynn, C. B. and J. A. Chalmers (1980), <u>The Social and Economic Effects of the Accident at Three Mile Island</u>. Tempe, Arizona: Mountain West Research, Inc. with Social Impacts Research, Inc.
- Forrest, T. R. (1979), <u>Hurricane Betsy</u>, <u>1965</u>; <u>A Selective Analysis of Organizational Response in the New Orleans Area</u>, <u>The Disaster Research Center Historical and Comparative Disaster Series</u>, No. 5. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Foster, H. (1980), <u>Disaster Planning: The Preservation of Life and Property</u>. New York: Springer-Verlag.
- Fowlkes, M. and P. Miller (1982), <u>Love Canal: The Social Construction of Disaster</u>. Washington, D.C.: FEMA.
- Foxworthy, B. and M. Hill (1982), <u>Volcanic Eruptions of 1980 at Mt. St. Helens. The First 100 Days</u>. Geological Survey Professional Paper 1249. Washington, D.C.: U. S. Government Printing Office.
- French, J., R. Ing, S. Von Allmen, and R. Wood (1983), "Mortality from flash floods: A review of National Weather Service reports, 1969-81," <u>Public Health Reports</u> 98 (6) (Nov.-Dec.): 584-588.
- Fritz, C. (1961), "Disasters," pp. 651-694 in Merton and Nisbet (eds.), Contemporary Social Problems. New York: Harcourt.
- Fritz, C. (1957), "Disasters compared in six American communities," <u>Human</u>
  <u>Organization</u> 16 (Summer): 6-9.
- Fritz, C. E. and E. S. Marks (1954), "The NORC studies of human behavior in disaster," <u>Journal of Social Issues</u> 10(3): 26-41.
- Fritz, C. E. and H. B. Williams (1957), "The human being in disasters: A research perspective," The Annals of the American Academy of Political and Social Science 309 (January): 42-51.
- Fritz, C. E. and J. H. Mathewson (1957), <u>Convergence Behavior in Disasters</u>. National Research Council Disaster Study #9. Washington, D.C.: National Academy of Sciences.
- Graham, W. J. and C. A. Brown (1983), <u>The Lawn Lake Dam Failure: A Description of the Major Flooding Events and an Evaluation of the Warning Process</u>. Denver: Bureau of Reclamation.

- Gray, J. (1981a), "Characteristic patterns of and variations in community response to acute chemical emergencies," <u>Journal of Hazardous</u>

  <u>Materials</u> 4: 357-365.
- Gray, J. (1981b), <u>Three Case Studies of Organized Responses to Chemical Disasters</u>. Misc. Report #29. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Greene, M., R. Perry, and M. Lindell (1981), "The March 1980 eruptions of Mt. St. Helens: Citizen perceptions of volcano threat," <u>Disasters</u> 5(1): 49-66.
- Gruntfest, E. (1977), "What people did during the Big Thompson Flood," Working Paper 32. Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Gruntfest, E., T. Downing, and G. White (1978), "Big Thompson flood exposes need for better flood reaction system to save lives," <u>Civil Engineering</u> (February) 72-73.
- Haas, J. and P. Trainer (1974), "Effectiveness of the tsunami warning system in selected coastal towns in Alaska." Rome: <u>Proceedings of the Fifth World Conference on Earthquake Engineering</u>.
- Hannigan, J. A. and R. A. Kueneman (1978), "Anticipating flood emergencies: A case study of a Canadian disaster subculture," pp. 129-146 in E. L. Quarantelli (ed.), <u>Disasters: Theory and Research</u>. Beverly Hills, California: Sage.
- Hannson, R, D. Noulles, and S. Bellovich (1982), "Knowledge, warning and stress," Environment and Behavior 14 (2) 171-185.
- Hart, G., L. Escalante, W. Petak, C. Pinkham, E. Swartz, and M. Wurtele (1985), <u>The Los Angeles, California, Tornado of March 1, 1983</u>. Washington, D.C.: National Academy Press.
- Hodge, D., V. Sharp, and Marion Marts (1979), "Contemporary responses to volcanism: Case studies from the Cascades and Hawaii," pp. 221-248 in P. D. Sheets and D. K. Grayson (eds.), Volcanic Activity and Human Ecology. New York: Academic Press.
- Houts, P. et al. (1984), "The protective action decision model applied to evacuation during the TMI crisis," <u>Mass Emergencies</u> 2(1): 27-39.
- Hutton, J. R. (1976), "The differential distribution of death in disaster: A test of theoretical propositions," <u>Mass Emergencies</u> 1 (October): 261-266.
- Janis, I. (1958), Psychological Stress. New York: John Wiley and Sons.
- Janis, I. L. and L. Mann (1977), "Emergency decision making: A theoretical analysis of responses to disaster warnings," <u>Journal of Human Stress</u> 3 (June): 35-48.

- Johnson, J. (1983), "Planning for spontaneous evacuation during a radiological emergency," <u>Nuclear Safety</u> 25: 186-193.
- Johnson, J. and D. Ziegler (1984a), "A spatial analysis of evacuation intentions at the Shoreham Nuclear Power Station," pp. 279-301 in M. Pasqualetti and K. Pijawka (eds.), <u>Nuclear Power: Assessing and Managing Hazardous Technology</u>. Boulder, Colorado: Westview Press.
- Johnson, J. and R. Ziegler (1984b), "Distinguishing human responses to radiological emergencies," <u>Economic Geography</u> 59: 386-402.
- Keast, D. N. et al. (1982), <u>Procedures for Analyzing the Effectiveness of Siren Systems for Alerting the Public</u>. Report NUREG/CR-4227. Richland, Washington: Battelle.
- Keating, J., et al. (1983), "Emergency evacuations during fires: Psychological considerations," pp. 83-100 in R. F. Kidd and M. J. Saks (eds.), <u>Advances in Applied Social Psychology</u> (Vol. 2). Hillsdale, N. J.: Lawrence Erlbaum Associates.
- Keating, J. And E. Loftus (1977), "Vocal alarm systems for high rise buildings: A case study," <u>Mass Emergencies</u> 2: 25-34.
- Killian, L. M. (1956), <u>A Study of Response to the Houston, Texas Fireworks Explosion</u>. National Academy of Sciences/National Research Council Disaster Study 2. Washington, D.C.: National Academy of Sciences.
- Killian, L. (1954), <u>Evacuation of Panama City for Hurricane Florence</u>. Washington, D.C.: National Academy of Sciences (cited in Quarantelli, 1980).
- Killian, L. (1952), "The significance of multi-group membership in disasters," American Journal of Sociology (January): 309-314.
- Kutak, R. I. (1938), "The sociology of crises: The Louisville flood of 1937," <u>Social Forces</u> 17: 66-72.
- Lachman, R. and W. Bonk (1960), "Behavior and beliefs during the recent volcanic eruption at Kapoho," <u>Science</u> 133: 1405-09.
- Lachman, R., M. Tatsuoka, and W. Bonk (1961), "Human behavior during the tsunami of May, 1960," <u>Science</u> 133 (May 5): 1405-1409.
- Leik, R. K., T. M. Carter, J. P. Clark, et al. (1981), <u>Community Response</u>
  <u>to Natural Hazard Warnings: Final Report</u>. Minneapolis, Minnesota:
  University of Minnesota.
- Leik, R. K., S. A. Leik, K. Ekker, and G. A. Gifford (1982), <u>Under the Threat of Mount St. Helens: A Study of Chronic Family Stress</u>.

  Minneapolis, Minnesota: Family Study Center, University of Minnesota.
- Lindell, M. and R. Perry (1983), "Nuclear power plant emergency warnings: How would the public respond?," <u>Nuclear News</u> (February): 49-57.

- Lindell, M., P. Bolton, R. Perry, G. Stoetzel, J. Martin, and C. Flynn (1985), <u>Planning Concepts and Decision Criteria for Sheltering and Evacuation in a Nuclear Power Plant Emergency</u>. Bethesda, Maryland: Atomic Industrial Forum.
- Liverman, D. and J. Wilson (1981), "The Mississauga train derailment and evacuation, 10-16 November, 1979," The Canadian Geographer 25: 365-375.
- Louisiana Department of Public Safety (1984), <u>Southeast Louisiana</u>
  <u>Hurricane Study, Evacuation Behavioral Survey, Final Report</u>. Baton
  Rouge: Office of Emergency Preparedness.
- McLuckie, B. F. (1970), "The warning system in disaster situations:
  A selective analysis," Ohio State University: Disaster Research
  Center.
- Mack, R. W. and G. W. Baker (1961), <u>The Occasion Instant</u>, National Academy of Sciences/National Research Council Disaster Study #15.
  Washington, D.C.: National Academy of Sciences.
- Mileti, D. (1985), "Role conflict and abandonment in emergency workers,"

  <u>Emergency Management Review</u> 2: 20-22.
- Mileti, D. (1975), <u>Natural Hazard Warning Systems in the United States</u>.

  Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Mileti, D. S. and E. M. Beck (1975), "Communication in crisis: Explaining evacuation symbolically," <u>Communication Research</u> 2 (January): 24-49.
- Mileti, D. and J. Sorensen, "Planning and implementing warning systems," in M. Lystad (ed.), <u>Mental Health Care In Mass Emergencies: Theory and Practice</u>. New York: Brunner/Mazel Psychological Stress Series (In Press).
- Mileti, D. S. and J. Sorensen (1987), "Why people take precautions against natural disasters" in N. Weinstein (ed.), <u>Taking Care: Why People Take Precautions</u>. Cambridge: Cambridge University Press.
- Mileti, D., T. Drabek, and J. Haas (1975), <u>Human Systems in Extreme</u>
  <u>Environments</u>. Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Mileti, D. S., J. R. Hutton, and J. H. Sorensen (1981), <u>Earthquake Prediction Response and Options for Public Policy</u>. Boulder, Colorado: Institute of Behavioral Science, The University of Colorado.
- Mileti, D. S., J. Sorensen, and W. Bogard (1985), <u>Evacuation Decision-Making: Process and Uncertainty</u>. Report ORNL/TM-9692. Oak Ridge, Tennessee: Oak Ridge National Laboratory.

- Moore, H. E. (1958), <u>Tornadoes Over Texas</u>. Austin, Texas: <u>University</u> of Texas Press.
- Moore, H. E. with the collaboration of F. L. Bates, J. P. Alston, M. M. Fuller, M. V. Layman, D. L. Mischer, and M. M. White (1964), And the Winds Blew. Austin, Texas: The Hogg Foundation for Mental Health, University of Texas.
- Moore, H. E., F. L. Bates, M. V. Layman, and V. J. Parenton (1963), <u>Before</u>
  <u>the Wind: A Study of Response to Hurricane Carla</u>, National Academy
  of Sciences/National Research Council Disaster Study #19.
  Washington, D.C.: National Academy of Sciences.
- Moore, W., E. Cook, R. Gooch, and C. Nordin (1982), <u>The Austin, Texas.</u>
  <u>Flood of May 24-25, 1981</u>. Washington, D.C.: National Academy Press.
- National Oceanic and Atmospheric Agency (1981), <u>The Disastrous Southern</u>
  <u>California and Central Arizona Floods</u>, <u>Flash Floods and Mudslides of February 1980</u>. Silver Spring, Maryland: National Weather Service.
- Nehnevajsa, J. (1985), "Western Pennsylvania: Some issues in warning the population under emergency conditions." Pittsburgh, Pennsylvania: Center for Social and Urban Research, University of Pittsburgh.
- Nigg, J. M. (1985), "Ethnicity and response to warnings," Paper presented at the National Hurricane Conference, New Orleans, Louisiana, May 1, 1985.
- Nigg, J. M. (1982), "Awareness and behavior: Public response to prediction awareness," pp. 71-96 in Thomas F. Saarinen (ed.), Perspectives on Increasing Hazard Awareness. Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Nylens, L. and O. Hultaker (1987), "Communications in disaster situations," <u>The Police Chief</u> (June) 28-34.
- Panel on the Public Policy Implications of Earthquake Prediction (1975),

  <u>Earthquake Prediction and Public Policy</u>. Washington, D.C.: National Academy of Sciences.
- Perry, R. W. (1985), <u>Comprehensive Emergency Management: Evacuating Threatened Populations</u>. Greenwich, Connecticut: JAI Press, Inc.
- Perry, Ronald W. (1983), "Population evacuation in volcanic eruptions, floods and nuclear power plant accidents: Some elementary comparisons," <u>Journal of Community Psychology</u> 11 (January): 36-47.
- Perry, R. W. (1979a), "Evacuation decision-making in natural disasters,"

  <u>Mass Emergencies</u> 4 (March): 25-38.
- Perry, R. W. (1979b), "Incentives for evacuation in natural disasterresearch based community emergency planning," <u>Journal of the American</u> <u>Planning Association</u> 45 (4): 440-447.

- Perry, R. W. and M. R. Greene (1983), <u>Citizen Response to Volcanic Eruptions: The Case of Mount St. Helens</u>. New York: Irvington Publishers, Inc.
- Perry, R. W. and M. R. Greene (1982a), "Emergency management in volcano hazards: The May 18, 1980 eruption of Mt. St. Helens," <u>The Environmental Professional</u> 4 (Fall): 340-350.
- Perry, R. W. and M. Greene (1982b), "The Role of ethnicity in the emergency decision-making process," <u>Sociological Inquiry</u> 52 (Fall): 309-334.
- Perry, R. W. and M. Lindell (1980), "Predisaster planning to promote compliance with evacuation warnings," pp. 44-49 in E. J. Baker (ed.), <u>Hurricanes and Coastal Storms</u>, Florida Sea Grant College Report 33.
- Perry, R. W. and A. Mushkatel (1986), <u>Minority Citizens in Disaster</u>.

  Athens, Georgia: University of Georgia Press.
- Perry, R. W. and A. Mushkatel (1984), <u>Disaster Management: Warning</u>
  <u>Response and Community Relocation</u>. Westport, Connecticut: Quorum Books.
- Perry, R. W. and J. M. Nigg (1985), "Emergency management strategies for communicating hazard information," <u>Public Administration Review</u> 45: 72-77.
- Perry, R. W., M. R. Greene, and M. K. Lindell (1980), "Enhancing evacuation warning compliance: Suggestions for emergency planning," <u>Disasters</u> 4(4): 433-449.
- Perry, R. W., M. K. Lindell, and M. R. Greene (1982a), "Crisis communications: Ethnic differentials in interpreting and acting on disaster warnings," Social Behavior and Personality 10(1): 97-104.
- Perry, R. W., M. Lindell, and M. R. Greene (1982b), "Threat perception and public response to volcano hazard," <u>The Journal of Social Psychology</u> 116: 199-204.
- Perry, R.W., M. K. Lindell, and M. R. Greene (1981), <u>Evacuation Planning</u>
  <u>in Emergency Management</u>. Lexington, Massachusetts: Lexington Books.
- Pinellas County Department of Civil Emergency Services (1986), <u>Hurricane</u>
  <u>Elena Critique</u>. Pinellas County, Florida: Alogia and Geography.
- Quarantelli, E. L. (1986), "Research findings in organizational behavior in disasters and their applicability in developing countries," Preliminary Paper #107. Newark, Deleware: Disaster Research Center, University of Delaware.
- Quarantelli, E. L. (1985a), "Social problems of relocation of disaster-atrisk communities: Some questions and some problems," Preliminary Paper #100. Newark, Delaware: Disaster Research Center, University of Delaware.

- Quarantelli, E. L. (1985b), "Social support systems: Some behavioral patterns in the context of mass evacuation activities," pp. 122-136 in B. Sowder (ed.), <u>Disasters and Mental Health: Selected Contemporary Perspectives</u>. Rockville, Maryland: National Institute of Mental Health, U.S. Department of Health and Human Services.
- Quarantelli, E. L. (1984a), "Chemical disaster preparedness at the local community level," <u>Journal of Hazardous Materials</u> 8: 239-249.
- Quarantelli, E. L. (1984b), "Perceptions and reactions to emergency warnings of sudden hazards," <u>Ekestics</u> 309 (Nov.-Dec.).
- Quarantelli, E. L. (1983), <u>Evacuation Behavior</u>: <u>Case Study of the Taft</u>, <u>Louisiana Chemical Tank Explosion Incident</u>. Columbus, Ohio: <u>Disaster Research Center</u>, Ohio State University.
- Quarantelli, E. L. (1982), <u>Transportation Accidents Involving Hazardous Chemicals Versus Those Involving Dangerous Nuclear Materials</u>, Misc. Report # 30. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Quarantelli, E. L. (1981a), <u>Sociobehavioral Responses to Chemical Hazards:</u>

  <u>Preparations for and Responses to Acute Chemical Emergencies at the Local Community Level</u>, Final Report to the National Science Foundation. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Quarantelli, E. L. (1981b), <u>The Reality of Local Community Chemical Disaster Preparedness: Three Case Studies</u>, Misc. Report # 28. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Quarantelli, E. L. (1980), <u>Evacuation Behavior and Problems: Findings and Implications from the Research Literature</u>. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Quarantelli, E. L. (1960), "Images of withdrawal behavior in disasters: Some basic misconceptions," <u>Social Problems</u> 8: 68-79.
- Quarantelli, E. L. (1957), "The behavior of panic participants," <u>Sociology</u> and <u>Social Research</u> 41: 187-194.
- Quarantelli, E. L. (1954), "The nature and conditions of panic," American Journal of Sociology 60: 267-275.
- Quarantelli, E. L. (no date), "Structural factors in the minimization of role conflict: A reexamination of the significance of multiple group membership in disaster," Preliminary Paper 49. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Rayner, J. (1953), <u>Hurricane Barbara: A Study of the Evacuation of Ocean City, Maryland, August, 1953</u>. Washington, D.C.: Committee on Disaster Studies, National Academy of Science (cited in Quarantelli, 1980).

- Rogers, G. (1980), <u>Presidentially Directed Relocation Compliance</u>
  <u>Attitudes</u>, Report DCPA-01-77-Ca-0218. Pittsburgh, Pennsylvania:
  Pittsburgh University.
- Rogers, G. and J. Nehnevajsa (1987) "Warning human populations of technological hazard," pp. 357-362 in <u>Proceedings of the ANS Topical Meeting on Radiological Accidents</u>. CONF-860932. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Rogers, G. and J. Nehnevajsa (1984), <u>Behavior and Attitudes Under Crisis</u>
  <u>Conditions</u>. Washington, D.C.: Federal Emergency Management Agency.
- Ruch, C. and L. Christensen (1981), <u>Hurricane Message Enhancement</u>.
  College Station, Texas: Sea Grant College Program, Texas A&M University.
- Saarinen, T. and J. Sell (1985), <u>Warning and Response to the Mt. St.</u>
  <u>Helens Eruption</u>. Albany, New York: SUNY Press.
- Saarinen, T., V. Baker, R. Durrenberger, and T. Maddock (1984), <u>The Tucson. Arizona. Flood of October 1983</u>. Washington, D.C.: National Academy Press.
- Savage, R., J. Baker, J. Golden, A. Kareem, and B. R. Manning (1984),

  <u>Hurricane Alicia, Galveston and Houston, Texas, August 17-18, 1983.</u>

  Washington, D.C.: National Academy of Sciences.
- Scanlon, T. J. (1978), "Media coverage of crisis: Better than reported, worse than necessary," <u>Journalism Quarterly</u> 55: 69-72.
- Scanlon, T. J. and A. Frizzell (1979), "Old theories don't apply; Implications of communication in crisis," <u>Disasters</u> 3: 315-319.
- Scanlon, T. J., J. Jefferson, and D. Sproat (1976), <u>The Port Alice Slide</u>. EPC Field Report 76/1. Ottawa, Ontario: Emergency Planning Canada.
- Scanlon, T. J., M. Padgham, and W. Star (1980), <u>The Peel Regional Police</u>
  <u>Force and the Mississauga Evacuation: How a Police Force Reacted to a Major Chemical Emergency</u>. Ottawa, Ontario: Canadian Police College.
- Schaffer, R. and E. Cook (1972), <u>Human Response to Hurricane Celia</u>.

  College Station, Texas: Environmental Quality Program, Texas A&M
  University (cited in Quarantelli, 1980).
- Segaloff, L. (1961), <u>Task Sirocco: Community Reaction to an Accidental Chlorine Exposure</u>. Philadelphia, Pennsylvania: Institute for Cooperative Research, University of Pennsylvania (cited in Quarantelli, 1980).
- Simpson, R. H. (1980), "Will coastal residents reach safe shelter in time," pp. 25-27 in E. J. Baker (ed.), <u>Hurricanes and Coastal Storms</u>, Florida Sea Grant College Report No. 33.

- Simpson, R. H. and H. Riehl (1981), <u>The Hurricane and Its Impact</u>. Baton Rouge, Louisiana: Louisiana State University Press.
- Simpson, R. H., B. Hayden, M. Garstang, and H. Massie (1985), "Timing of hurricane emergency actions," <u>Environmental Management</u> 9: 61-70.
- Sims, J. H. and D. D. Baumann (1972), "The tornado threat: Coping styles of the North and South," Science 176: 1386-92.
- Sorensen, J. (1987), "Warning systems in the 1985 Cheyenne flash flood,"
  In E. Gruntfest (ed.), What We have Learned Since the Big Thompson
  Flood. Boulder, Colorado: Institute of Behavioral Science,
  University of Colorado.
- Sorensen, J. H. (1984a), Evaluating the effectiveness of warning systems for nuclear power plant emergencies: Criteria and application," pp. 259-277 in M. Pasqualetti and K. Pijawka (eds.), <u>Nuclear Power:</u>

  <u>Assessing and Managing Hazardous Technologies</u>. Boulder, Colorado: Westview Press.
- Sorensen, J. H. (1984b), "Public confidence in local management officials: Organizational credibility and emergency behavior," <u>Proceedings of a Conference on Evacuation Risks in Nuclear Power Plant Emergencies</u>. Penn State University.
- Sorensen, J. H. (1982), <u>Evaluation of Emergency Warning System at Ft. St. Vrain Nuclear Power Plant</u>. Report ORNL/TM-8171. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Sorensen, J. H. (1981), "Emergency response to Mt. St. Helens' eruption: March 20 to April 10, 1980," Working Paper 43. Boulder, Colorado: Institute of Behavioral Science, University of Colorado.
- Sorensen, J. H. and D. S. Mileti (1987), "Decision-making uncertainties in emergency warning system organizations," <u>International Journal of Mass Emergencies and Disasters</u>.
- Sorensen, J and D. Mileti (1987), "Programs to encourage precautionary behavior in natural disasters: Review and evaluation," pp. 208-230 in N. Weinstein (ed.), <u>Taking Care: Why People Take Precautions</u>. Cambridge: Cambridge University Press.
- Sorensen, J. H. and P. J. Gersmehl (1980), "Volcanic hazard warning system: Persistence and transferability," <u>Environmental Management</u> 4 (March): 125-136.
- Sorensen, J. H., D. S. Mileti, and E. D. Copenhaver (1985), "Inter and intraorganizational cohesion in emergencies," <u>International Journal of Mass Emergencies</u> and Disasters 3(3): 27-52.
- Sorensen, J. H., E. D. Copenhaver, D. S. Mileti, and M. V. Adler (1984), Organizational Interface in Reactor Emergency Planning and Responses. Report NUREG/CR-3524, ORNL-6010. Oak Ridge, Tennessee: Oak Ridge National Laboratory.

- Stallings, R. (1984), "Evacuation behavior at Three Mile Island,"

  <u>International Journal of Mass Emergencies and Disasters</u> 2: 11-26.
- Strope, W. E., J. R. Devaney, and J. Nehnevajsa (1977), "Importance of preparatory measures in disaster evacuation," <u>Mass Emergencies</u> 2: 1-17.
- Tanzos, T. C. et al. (1983), <u>Warning Systems Technical Review and Warning System Evaluation Guidelines</u>. McLean, Virginia: P.C. Vorhees.
- Taylor, J. B., L. A. Zurcher, and W. H. Key (1970), <u>Tornado: A Community</u>
  <u>Responds to Disaster</u>. Seattle, Washington: University of Washington
  Press.
- Tierney, K. (1980), A Primer for Preparedness for Acute Chemical Emergencies, Mono. No. 14. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Towers, D., et al. (1982), <u>Evaluation of Prompt Alerting Systems at Four Nuclear Power Stations</u>. Report NUREG CR-2655. Richland, Washington: Pacific Northwest Laboratory.
- Treadwell, N. (1962), <u>Hurricane Carla -- September 3-14, 1961</u>, Office of Civil Defense Region 5. Denton, Texas: U.S. Government Printing Office (cited in Quarantelli, 1980).
- Turner, R. H. (1983), "Waiting for disaster: Changing reactions to earthquake forecasts in Southern California," <u>International Journal of Mass Emergencies and Disasters</u> 1: 307-334.
- Turner, R. H., J. M. Nigg, D. H. Paz, and B. S. Young (1979), <u>Earthquake Threat: The Human Response in Southern California</u>. Los Angeles, California: Institute for Social Science Research, University of California.
- USDOC (1977), Johnstown Pennsylvania Flash Flood of July 19-20, 1977, Natural Disaster Survey Report 77-1. Rockville, Maryland: National Oceanic and Atmospheric Administration.
- U.S. Department of Transportation (USDOT) (1984), <u>Hazardous Materials</u>
  <u>Emergency Response Guidebook</u>. Washington, D.C.: U.S. Department of Transportation.
- U.S. Environmental Protection Agency (USEPA) (1985), <u>Chemical Emergency Preparedness Program Interim Guidance</u>. Washington, D.C.: EPA.
- U.S. Federal Emergency Management Agency (USFEMA) (1985), <u>Guide For Evaluation of Alert and Notification Systems for Nuclear Power Plants</u>. Report FEMA Rep-10. Washington, D.C.: Federal Emergency Management Agency.
- U.S. Federal Emergency Management Agency (USFEMA) (1984), A Guide to Hurricane Preparedness Planning for State and Local Officials, Report CPG2-16. Washington, D.C.: Federal Emergency Management Agency.

- U.S. Federal Emergency Management Agency (USFEMA) (1983), <u>Preparing for Hurricanes and Coastal Flooding</u>, <u>A Handbook for Local Officials</u>, Publication 50. Washington, D.C.: Federal Emergency Management Agency.
- U.S. Federal Emergency Management Agency (USFEMA) (1982), <u>Planning</u>
  <u>Guidance for the Preparation of the Federal Radiological Emergency</u>
  <u>Response Plan</u>, Final Draft #4. Washington, D.C.: Government Printing
  Office.
- U.S. Federal Emergency Management Agency (USFEMA) (1981), <u>U.S. Crisis</u>
  <u>Relocation Planning</u>, P-P-7. Washington, D.C.: FEMA.
- Vogt, B. M. and J. H. Sorensen (1986), <u>Evacuation in Emergencies: An Annotated Guide to Research</u>. Report ORNL/TM-10277. Oak Ridge, Tennessee: Oak Ridge National Laboratory.
- Wallace, A. F. (1956), <u>Tornado in Worcester</u>. National Academy of Sciences/National Research Council Disaster Study #3. Washington, D.C.: National Academy of Sciences.
- Weller, J. (1967), "Response to tsunami warnings: The March, 1964 Prince Williams Sound earthquake," Working Paper #15. Columbus, Ohio: Disaster Research Center, Ohio State University (cited in Quarantelli, 1980).
- Wendell, M. (1980), "Legal aspects of flood warning and evacuation," pp. 28-31 in E. J. Baker (ed.), <u>Hurricanes and Coastal Storms</u>, Florida Sea Grant College Report No. 33.
- Wenger, D. E. (1985a), "Mass media and disasters," Preliminary Paper #98.
  Newark, Delaware: Disaster Research Center, University of Delaware.
- Wenger, D. E. (1985b), "Collective behavior and disaster research,"
  Preliminary Paper #104. Newark, Delaware: Disaster Research Center,
  University of Delaware.
- Wenger, D. E. (1986), "Local and national media coverage of disaster:
  A content analysis of the print media's treatment of disaster myths,"
  Preliminary Paper #96. Newark, Delaware: Disaster Research Center,
  University of Delaware.
- Wilkenson, K. and P. Ross (1970), <u>Citizens Response to Warnings of Hurricane Camille</u>. Report No. 35. College Station, Mississippi: Social Science Research Center, Mississippi State University.
- Williams, H. B (1964), "Human factors in the warning and response systems," pp. 79-104 in G. Grosser et al. (eds.), <u>The Threat of Impending Disaster</u>. Cambridge, Massachusetts: MIT Press.
- Windham, G., E. Posey, P. Ross, and B. Spencer (1977), <u>Reaction to Storm Threat During Hurricane Eloise</u>. Report No. 51. State College, Mississippi: Mississippi State University, Social Science Research Center.

- Withey, S. B. (1962), "Reaction to uncertain threat," pp. 93-123 in G. Baker and D. Chapman (eds.), <u>Man and Society in Disaster</u>. New York: Basis Books.
- Worth, M. F. and B. F. McLuckie (1977), <u>Get to High Ground! The Warning Process in the Colorado Floods June 1965</u>. Disaster Research Center Historical and Comparative Disasters Series. Columbus, Ohio: Disaster Research Center, Ohio State University.
- Young, M. (1954), "Role of extended family in a disaster," <u>Human Relations</u> 7: 383-391.
- Yutzy, D. (1964), "Aesop 1964: Contingencies affecting the issuing of public disaster warnings at Crescent City, California," Research Note #4. Columbus, Ohio: Disaster Research Center, Ohio State University (cited in Quarantelli, 1980).
- Ziegler, D. and J. Johnson (1984), "Evacuation behavior in response to nuclear power plant accidents," <u>Professional Geographer</u> 36:207-215.
- Ziegler, D., S. Brunn, and J. Johnson (1981), "Evacuation from a nuclear technological disaster," Geographical Review 71: 1-16.

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- 117. Peter Whitlock, Office of Toxic Substances, NE Mall, Room B002, TS-793, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460
- 118. Atta Belle Willie, Coord., Marshall County DES, P. O. Box 524, Benton, KY 42025
- 119-143. Cariolana Simon, U.S. Environmental Protection Agency, Room 3609, Ms-WH562A, 401 M Street, S.W., Washington, DC 20460